# MINUTES OF THE 37th MEETING

# OF THE

# SENATE

# HELD ON

## Saturday, 30 June 2018

# INDIAN INSTITUTE OF INFORMATION TECHNOLOGY DESIGN AND MANUFACTURING, KANCHEEPURAM

# INDIAN INSTITUTE OF INFORMATION TECHNOLOGY
# DESIGN AND MANUFACTURING, KANCHEEPURAM

Minutes of the 37th Senate Meeting held on Saturday, 30th June 2018 at 10:00 AM in the Board Room, IIITDM Kancheepuram, Chennai-600 127.

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**Members attended the meeting**:

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| Prof. Banshidhar Majhi, Director (Chairman) | Dr. Shunmugham R. Pandian, Dean (Planning) |
| Prof. V. Jagadeesh Kumar (IITM) | Dr. M. Sreekumar, Dean (Faculty Affairs) |
| Prof. Krishnamoorthy Sivalingam (CS, IITM) | Dr. Binsu J Kailath, Dean (Academics) |
| Dr. Anand Lakshmanan (M/s Ericsson India) | Dr. M. D. Selavaraj, Dean (Spon, Res & Indusl Consul, Continuing Education) |
| Dr. G. Venkatesh (Sasken Comm.Tech.Ltd) | Dr. Sadagopan N, HoD, CSE |
| Dr. M Sathya Prasad (M/s Ashok Leyland) | Dr. Jayavel S, HoD, ME |
| Dr. Selvajyothi K, HoD, ECE | Dr. Masilamani V, Chief Warden |
| Dr. Vijayakumar S, HoD, MAT | Dr. Tapas Sil, HoD, PHY |
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| **Invitee** | |
| 1. Dr. Ramalingam C S<br>   Dept. of Electrical Engg., IIT Madras<br>2. Dr. T.S. Narayanan (CSE)<br>3. Dr. Raja B (ME)<br>4. Dr. Jayachandra Bingi (PHY) | **Members Absent:**<br><br>1. Prof. P. Chandramouli, (IIT Madras)<br>2. Dr. Sudhir Varadarajan, Dean (Design, Inno &Incu)<br>3. Dr. Naveen Kumar, Dean (Student Affairs) |

Leave of absence was approved for all members who were absent.

| 2018-37-Senate-01: | **Welcome to the members and invitees by the Chairman.** The Chairman welcomed all Senators and Invitees and briefed the Senate about the functioning of the Institute including several events being conducted in the Institute since the last meeting of the Senate. | | |
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| 2018-37-Senate-02: | **To confirm the minutes of the 36th meeting of the Senate held on 9<sup>th</sup> December 2017.** | | |
| | The Minutes of 36<sup>th</sup> Meeting of the Senate held on 9<sup>th</sup> December 2017, duly approved by the Chairman of the Senate was circulated to all members. No comments/suggestions were received from the members. The Senate **confirmed** the Minutes of the 36th meeting of the Senate held on 9<sup>th</sup> December 2017. | | |
| 2018-37-Senate-03: | **Report on Action Taken on the decision of 36<sup>th</sup> meeting of the Senate held on 9<sup>th</sup> December 2017.** | | |
| | 2017-36 Senate-05: | Revision of the Students' attendance rule: | Implemented (Corresponding changes have been incorporated in the B Tech ordinance as well) |
| | 2017-36 Senate-06: | Review of Policy regarding grant of Merit Cum Means scholarship (MCM) and Institute Free Stipendship (IFS) | Implemented (Corresponding changes have been incorporated in the B Tech ordinance as well) |
| | 2017-36 Senate-07: | "Implementation of Uniform Fee Structure for PG programs among CFIIITs" - Revision of PG tuition Fee | Implemented |
| | 2017-36 Senate-08: | Proposal for changing the name of UG and PG programs offered by the Institute: | Implemented |
| | 2017-36 Senate-09: | Creation of 'Departments' in the Institute | Implemented |
| | 2017-36 Senate-10: | Proposal for starting the "Master of Science" by Research [MS(R)] program in the Mathematics and Physics Departments and Master of Technology by Research [M Tech(R)] programs in the Engineering Departments. | Will be implemented from 2018-19 onwards |
| | 2017-36 Senate-11: | Proposal for the initiation of processes to start Student Exchange Programme with other IIITs, IIITDMs, IITs, and NITs. | Will be implemented from 2019-20 onwards |
| | 2017-36 Senate-12: | Approval for Panel of Experts in the selection committee for Recruitment of various Posts. | Implemented |
| | 2017-36 | Proposed for a minor change in the rule | Implemented |

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| | Senate-13: | for Ph.D. coursework: | |
| | 2017-36 Senate-14: | Revision of the fee of Supplementary Examination | Will be implemented from July 2018 onwards |
| | 2017-36 Senate-18: | Proposal for Alternate Evaluation system in case of Students with Disabilities | Implemented |

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| | While confirming the minutes of the 36th Senate and the action taken report, the Senate deliberated and resolved as follows.<br><br>2017 – 36 Senate – 05: Revision of attendance rules:<br><br>Normally a student is expected to have 100% attendance in all the courses he/she credits. However, with the approval of the competent authority, the students may avail medical leave, duty leave for participating in extra-curricular activities and leave of absence due to family calamities, provided, the sum of the above three types of leaves is not more than 25% of the classes offered in a course.<br><br>With reference to the minutes of the 36th Senate meeting, Item No. 2017-36 Senate-08 as above, was taken up for discussion. Director reiterated that the mandate of the Institute is still offering UG/PG/PhD Education in Core Engg with Design and manufacturing flavor. Few members have also explained that change of the name of the degree was necessitated by the requirements of the students from the Current Scenario In India wherein every public sector and higher education sector seeks the title of the degree in the conventional names. Senate members also agreed to the fact that having non-conventional degree names would invite lot of administrative issues for the students in their future. Senate members cautioned that by moving into Departmental Systems (2017-36 Senate-09) isolation among faculty and students may widen. Senate has advised that the students in One Department should be given the opportunity and option to do project with a faculty member from another Dept. And the Institute should promote more Interdisciplinary Project works both among faculty as well as students.<br><br>The Senate **confirmed** the Minutes of 36th Meeting. |
| **A.** | **RULES, PROCEDURES, CURRICULA AND POLICY MATTERS** |
| **2018-37-Senate-04:** | <u>PROPOSAL</u><br>**B Tech Revised Curriculum from 2018 admission onwards:**<br>The Senate may discuss and approve the revised curriculum for B. Tech students from 2018 admission onwards.<br><br>**[Annexure A1]**<br><br><u>**The Senate suggested the following.**</u><br>1. To prepare the curriculum following choice based credit system.<br>2. To reduce the credits from 172 to 160.<br>3. First year courses on Basic Electrical Engg and Basic Electronics Engg to be renamed as Fundamentals of Electrical Engg and Fundamentals of Electronics Engg respectively.<br>4. Professional ethics cannot be a course with credits, hence it will be moved into category of MNC (Mandatory Non-credited Courses) |

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| | 5. Comprehensive Viva to have only 1 credit |
| | 6. Only to have 9 Core courses so as to cover the GATE syllabus with each one preferably with tutorial content. |
| | 7. The remaining courses are all to be electives which should be offered in baskets of electives. |
| | 8. Comprehensive Viva to be conducted at the beginning of $7^{th}$ semester to prepare them for placement |
| | 9. Research Practice, Internship, Project, are approved |
| | 10. Students are to be given option to choose between project and coursework. The students who opt for coursework need to do as many courses as needed to make their total credits equivalent to that of the project. This would ensure that only motivated students would be opting for the project and hence the quality of project could be improved. |
| | 11. Option to do final year project in the company, provided the internship work in the company is actually a type of project work, which means core courses are to be removed from $7^{th}$ and $8^{th}$ semesters. |
| | Based on the aforesaid, the revision shall be proposed and put up to the Senate when the Institute has sufficient regular faculty members. |
| **2018-37-Senate-05:** | **DD Revised Curriculum from 2018 admission onwards:** <br> The Senate may discuss and approve the revised curriculum for Dual Degree students from 2018 admission onwards. <br><div align="right">**[Annexure A2]**</div> <hr> **ADVICE BY SENATE** <br> 1. To prepare the curriculum following choice based credit system same as for B Tech. <br> 2. To reduce the credits from 214 in the same manner as would be done for B Tech and accordingly, the DD credits would be around 196. <br> 3. In addition to the 9 Core courses so as to cover the GATE syllabus from B Tech, need to have 6 courses from M Tech. Electives may not be really necessary as these students already would have done needed courses from the basket of electives of B Tech. <br> 4. Comprehensive Viva to be conducted at the beginning of $9^{th}$ semester to prepare them for placement <br> 5. They should also have Internship in the summer after $6^{th}$ semester same as B Tech <br> 6. Final year Project to start from the summer after $8^{th}$ semester on $1^{st}$ June. The project should be given utmost importance that each student should be doing substantial amount of work so as to enable publishing papers from the work. <br> 7. Option to do final year project in the company, provided the work is actually at the level of an M Tech project work <br><br> Based on the aforesaid, the revision shall be proposed and put up to the Senate when the Institute has sufficient regular faculty members. |

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| **2018-37-Senate-06:** | **M Tech Research Ordinance:**<br>Ordinance and regulations of M. Tech Research Program is given in annexure.<br><br>*The Senate approved the proposed M Tech Research Ordinance.*<br>**[Annexure A3]** |
| | Senate has advised to name the Master's Degree by research offered by Science Departments as MSc by Research. Senate also advised to make few corrections in some of the regulations and add MSc by Research Guidelines separately. The revised version shall be put up in the next Senate. |
| **2018-37-Senate-07:** | **Approval is sought for M Sc in Mathematics from 2019 July onwards**<br>The Senate in its last meeting(s) had sanctioned in-principle approval for the introduction of M. Sc in Mathematics.<br>A detailed Curriculum with syllabus for the core courses is given in annexure.<br>The Senate may kindly discuss and approve the detailed Curriculum with syllabus for M. Sc in Mathematics is given in Annexure A4.<br>**[Annexure A4]** |
| | Senate advised that the MSc programme offered by the Institute should be in line with the Design and Manufacturing mandate of the institute wherein the curriculum should contain courses from Design / Applied and Higher level Math courses like Game Theory etc. Senate has advised to modify the curriculum. The modified curriculum shall be put up in the subsequent Senate. |
| **2018-37-Senate-08:** | **Policy on movement of a student to higher semester from 5th semester onwards**<br>It has been observed that students when reaching the final year also might not have cleared all the courses in the first year. This actually hinders the students' performance in the final year and also affects his placement as well as future study prospects. Hence it is proposed to insist that the student should clear all the courses in the 1st semester to move into 5th Semester, clear all the courses in the 2nd Semester to move into 6th, 3rd Semester to move into 7th, 4th Semester to move into 8th. That means that the student should have cleared S-4 to move into S where S is the semester the student is moving up. This is proposed to be effective from 2018 batch admission onwards.<br><br>The Senate may please consider the proposal approve the same. |
| | Senate has advised to implement the system in a different way so that the student would not have to drop a year but will be forced to register for the backlog courses in the odd and even semester when the respective backlog courses are offered again.<br>**It is resolved as follows.**<br>A student, who has a backlog course in any odd or even semester, would be given four chances to clear that backlog course through supplementary examinations. Hence one student with a backlog course in $n^{th}$ semester and not clearing it even after 4 chances would be moving into $(n+4)^{th}$ semester then, and he/she would have to drop a course from $(n+4)^{th}$ semester and shall be registering the $n^{th}$ semester backlog course instead of the dropped course. To be specific, if the student has two backlog courses from $1^{st}$ semester and 5 regular theory courses in $5^{th}$ semester, during |

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| | registration of 5<sup>th</sup> semester, the student would be only able to register for the two 1<sup>st</sup> semester backlog courses and any three regular courses from semester 5. This system would motivate the students to clear the courses in the respective semester or during the four supplementary chances. |
| **2018-37-Senate-09:** | **Permission for students securing CGPA less than 6 at the end of 6<sup>th</sup> semester to repeat few courses and improve their CGPA**<br><br>For applying for jobs in Public sectors as well as in Private companies, first class B Tech is a necessary requirement. Accordingly, students with CGPA less than 6 at the end of 6<sup>th</sup> semester shall be asked to improve their CGPA by repeating few courses in their 7<sup>th</sup> semester or 8<sup>th</sup> semester or by taking additional semesters (more than 8 semesters). This would enable them to graduate with CGPA > 6.5 rather than by graduating with CGPA less than 6 and ending up in a bleak future. This shall be implemented with effect from 2018 batch admitted students.<br><br>The Senate may consider and approve the proposal.<br><br>Shall we implement the same for 2014(DD), 2015, 2016, and 2017 batch admitted students as well.<br><br>Senate is requested to advice. |
| | Senate has advised that Madras High Court has given a ruling that giving chance for Improvement of marks for selected courses is illegal and hence allowing students to repeat courses may invite legal hurdles. If the result analysis is carried out at the end of every semester and if the students are timely warned and the parents are also apprised of the performance of their wards at the end of every semester, gradually the performance could be improved. Also, item 2018-37- Senate-08 would also take care of the matter partially. |
| **2018-37-Senate-10:** | **Change of Rule in Make-Up examination**<br><br>Quiz 1 and Quiz 2 papers are to be corrected and distributed within 10 days from the exam. Quiz I and Quiz 2 make-up exam will be conducted after 10 days from the last day of Quiz 2. A student who misses either Quiz 1 or Quiz 2 or both shall be appearing for a single make-up exam after Quiz 2 covering the portions of both Quiz 1 and Quiz 2 and having the weightage of both Quiz 1 and Quiz 2.<br><br>End Semester examination results are also to be submitted/uploaded within 10 days from the exam and the results are to be published within 5 days from the last date of uploading the grades.<br><br>Student who misses the End-Semester Examination shall be writing the paper along with the Summer/Supplementary examination in June. However, as the make-up exam is granted based on medical grounds, his/her Pre End Semester marks shall be considered for grading. Also he/she could earn any grade from S to U based on the performance. This rule is proposed to be effective from July 2018 onwards.<br><br>Senate is requested to approve the same.<br><br>Those students who missed the End semester examination in May 2018 due to medical reasons, shall be permitted to take the make-up exam at the beginning of the July-November 2018 semester as the rule shall be implemented with prospective effect from July-November 2018 semester. |

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| | Senate has advised that there should be only one make up examination with one question paper for 100 marks. And that make up exam shall be held along with the supplementary examination in May/June. The weightage of the paper for a particular student would be decided based on which exam is missed by the candidate. If one candidate misses both quiz and End semester exam, then he/she should be writing make up only for the End Semester examination. However, as the make-up exam is granted based on medical grounds, his/her Pre End Semester marks shall be considered for grading. Also he/she could earn any grade from S to U based on the performance.<br>**It is resolved as follows.**<br>There shall be only one make-up exam for Quiz 1, Quiz 2 and End semester which will be conducted in the week just ahead of the reopening day of the following semester. Accordingly make-up exam for Jan-May semester shall be conducted in the last week of July and make-up exam for Jul-Nov semester shall be conducted in the last week of December.<br>Those students who missed the End semester examination in May 2018 due to medical reasons, shall be permitted to take the make-up exam at the beginning of the July-November 2018 semester as the rule shall be implemented with prospective effect from July-November 2018 semester. |
| **2018-37-Senate-11:** | **Change of Rule for Supplementary examination**<br>All supplementary examinations henceforth shall be conducted only in the month of June. As a remedial measure, if any students would like to attend summer classes and then appear for the supplementary examinations, they may request and register for the same. And if number of students register for summer course is at least 10, the faculty member willing to offer that course during summer shall conduct classes for at least 30 hours to make the students understand the subject. Classes may be scheduled between 10th May and 10th June so that the Summer examination / Supplementary examination shall be completed by 15th June. It was already approved in the Senate that a student shall be graded based only on the performance in the supplementary examination wherein his/her Pre End Sem marks shall not be considered. Also, a student who clears a course in a supplementary examination shall not be awarded S, A and B grades. He/she could only secure a highest grade of C. This shall be applicable to the students who clear the course by attending summer course as well.<br>Each student taking the summer course would have to pay a fee of Rs. 3000/- per course. |
| | Senate has agreed to conduct summer course in May-June as a remedial measure if more than 10 students register for the course and the examination shall be completed by 15th June. However, Senate has suggested that the student who appears for the Supplementary examination should also be graded based on his/her performance and it is unfair to give grades only from C to U.<br>The Senate has suggested 2 CGPA system wherein two types of CGPA would be marked in the grade sheet. First CGPA will be calculated based only on all passed courses whereas the second one carries all the courses including the courses for |

| | which the student has earned U grade. |
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| | $CGPA = \frac{\sum_i C_i G_I}{\sum_i a_i C_i}$ where $C_i$ is the credit of the $i^{th}$ course, $G_i$ is the grade of the $i^{th}$ course and $a_i$ is the number of attempts the student makes to clear the $i^{th}$ course. **It is resolved as follows.** Summer course shall be conducted in May-June as a remedial measure if more than 10 students register for the course and the examination shall be completed by 15th June. Supplementary examination shall be conducted twice in a year. It will be conducted in the week just ahead of the reopening day of the following semester. Accordingly Supplementary examination shall be conducted in the last week of July as well as in the last week of December. As per the existing practice in the consolidated mark sheet, an asterisk shall be given against the course indicating that the particular course has been cleared in multiple attempts. Hence the same practice shall be followed instead of writing two CGPA which may confuse the external evaluators. |
| **2018-37-Senate-12:** | **Permission to go through the End Sem Papers and change of grade if any** Students may be given a chance to go through their end semester answer sheets in the first week of next semester. If any change in marks / grades are to be incorporated, the request in specified format is to be submitted by the respective faculty member to the HoD and HoD on factual verification may recommend and forward the matter to the Dean Academics. Once approved by the Dean Academics, AR Academics could make the respective changes in the grades. Senate is requested to approve the same. |
| | **The Senate has approved the proposal.** |
| **2018-37-Senate-13:** | **Elective Courses for Approval** Four courses have been proposed by Institute Faculty members as electives. Senate may advise modifications and suggestions and approve the courses whose syllabi are given in Annexure A5. |

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| Dr. Jayachandra Bingi | Optics and Lasers in Manufacturing |
| | Nanophotonics |
| | Bio-Inspired Design |
| Dr. Masilamani V | Machine Learning |
| Dr. Asutosh Kar | Adaptive Filter Design |
| Dr. B Raja | Design of Refrigeration and Air-Conditioning Systems |

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| | The Senate may discuss and approve the proposed elective courses. **Annexure A5** |
| | Senate has asked to circulate the syllabus of all the courses along with the minutes and any comments by the Members shall be communicated by e-mail and the same should be incorporated into the syllabus. |
| **2018-37-Senate-14:** | **Permission to offer theory part alone of few courses as electives** Few of the M Tech core courses are approved to be 3 0 3 5 type. Many B Tech / Dual Degree and M Tech students pursuing other programmes showed good interest in |

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| | crediting the theory part alone (3 0 0 3) of these courses as electives in previous semesters. Due to the technical difficulty in offering theory part alone of a theory+practice course as elective, it is proposed to split such courses to have theory (3 0 0 3) and practice (0 0 3 2) parts separately. Such courses are listed in Annexure A6.<br><br>Senate is requested to grant permission and ratify the same.<br><br>**[Annexure A6]** |
| | Senate has approved the proposal and the theory part of the 3 0 3 5 course alone could be offered as elective with course code suffixed with T, representing Theory. |
| **2018-37-Senate-15:** | **Online Electives from SWAYAM/NPTEL alone**<br><br>At present the students are permitted to credit online courses from platforms such as NPTEL, Coursera and Edx. It has been observed that out of these platforms, only NPTEL follows a proper evaluation pattern wherein impersonation is strictly prohibited. Whereas in the other platforms, the students could have multiple login accounts, and proper evaluation cannot be ensured. Hence, Senate is requested to advise upon whether to restrict the students to take online electives only form NPTEL or should it be continued to allow from other platforms also.<br><br>The Senate may please consider and advise. |
| | Senate has advised that the students should be taking online electives only from SWAYAM/NPTEL portal and not from other platforms from now on.<br><br>However, for the July-Nov 2018 semester alone, as the students have already completed Pre-Registration for the semester, they may be permitted to take courses from other platforms by the approval of Head of the Dept. on a case to case basis. |
| **2018-37-Senate-16:** | **HTTA for Dual Degree Students**<br><br>First batch of the dual degree programme is entering their final year and it is proposed to award them HTTA scholarships as per the guidelines from Ministry. It has been given in the Dual Degree Ordinance as Rule No. R.27.2 that Dual Degree students who obtain a valid GATE score or have secured CGPA of 8.0 or above (7.5 or above for SC/ST) at the end of the 8th semester will be awarded HTTA for a period of 12 months as applicable to the regular M Tech programme. However, it has been communicated by the ministry vide F.N0.17-2/2014-TS.I dated 18th February, 2015 that "the assistantship/ scholarship/ fellowship would be provided to the scholars on the basis of GATE scores above the prescribed cut-off level. B Tech. Graduates from the IITs getting a CGPA score of 8 or above (on scale of 10) would also be entitled to the assistantship without having to appear in GATE." Accordingly our students would be eligible for scholarship only if they clear the GATE with a valid score. However, it was communicated to the 2014 batch admitted students that they would be eligible for scholarship if they secure a CGPA of 8.0 or above at the end of 8th semester even if they don't have a valid GATE score. Hence permission is requested from Senate to award the HTTA fellowship to those students also who have CGPA 8.0 or above (7.5 or above for SC/ST) similar to the GATE qualified students as a ONE TIME MEASURE for the 2014 batch admitted students alone. From the succeeding batch (2015 admission) onwards, only GATE qualified candidates would be eligible for HTTA |

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| | fellowship in their fifth year. The list of GATE qualified and CGPA qualified candidates eligible to receive scholarship are given in Annexure A7. The scholarship is proposed to start from July 2018 till the date of their final Project Viva.<br>The Senate is requested to approve the proposal.<br>**[Annexure A7]** |
| | Senate has approved the proposal to award HTTA to students who have qualified in GATE as well as students with CGPA 8.0 or above (7.5 or above for SC/ST).<br>However, the Senate has advised to approach the ministry to provide the HTTA to our students as well who have CGPA above 8 similar to the IIT students. |
| **2018-37-Senate-17:** | **Change of the name of the Degree**<br>Senate in its 36th Senate held on 9th December 2017 had approved changing the names of the degrees offered by the Institute to conventional names from 2018 Admission onwards. It was advised by the Senate that the same could be made applicable to the existing students as well based on their consent. Accordingly, a form was circulated among all the students to give their options. Data on this is presented in Annexure A8. Accordingly, the students will be awarded the degrees upon completing the course and credit requirements.<br>The Senate is requested to approve the proposal.<br>**[Annexure A8]** |
| | Senate has approved the proposal. However, as it has been approved by the BoG meeting held in June 2017, that Design and Manufacturing shall be mentioned as a SPECIALIZATION in the degree certificates, it has been decided that the students shall be awarded the degrees accordingly to adhere to the mandate of the Institute. |
| **2018-37-Senate-18:** | **Change in Academic Calendar**<br>Certain Items are proposed to be added in the Academic Calendar for the Odd 2018 (July-November 2018) semester. The modified version is given in Annexure A9.<br>The Senate is requested to approve the proposal.<br>**[Annexure A9]** |
| | Senate has approved the proposal. |
| **2018-37-Senate-19:** | **Proposal for Increase in Student Intake**<br><br>Keeping in view of the accommodation facilities, class rooms and lab facilities available within the Institute campus, the intake of students from the current academic batch have been increased as follows. |

| Branch/Programme | Existing Strength | 2018 Admission | |
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| B Tech ([1]CSE/[2]ECE/[3]ME/[4]ME) | 40 + 2 (DASA) | 60 + 3 (DASA)=252 | |
| Dual Degree ([a]ESD/[b]EVD/[c]MFD/[d]MPD) | 20 + (DASA) | 30 + 2 (DASA)=128 | |
| Dual Degree ([e]CED) | 40 + (DASA) | 60 + 2 (DASA)=62 | |
| M Tech ([i]CDS/[ii]EDS/[iii]MDS/[iv]SMT) | 15 + (DASA) | 15 + 2 (DASA)=68 | |

[1]Computer Science and Engineering; [2]Electronics and Communication Engineering; [3]Mechanical Engineering; [4]Mechanical Engineering with Specialization Smart Manufacturing

[a]Communication Systems Design; [b]VLSI Design; [c]Advanced Manufacturing; [d]Product Design; [e]System Design

[i]Communication Systems Design; [ii]Electronics Systems Design; [iii]Mechanical Systems Design; [iv]Smart

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| | Manufacturing |
| | This will also enable the Institute to enhance its internal resources. |
| | The Senate may please consider the proposal and approve the same. |
| | Senate has approved the proposal. |
| **2018-37-Senate-20:** | **Branch Transfer for MSM**<br>It has been approved by the 27th Senate that the students with excellent academic records, at the end of their first year of study in the institute, may be given an option to change the branch of their study to the one they would wish to. An upper ceiling of 10% has been decided in order to prevent significant reduction in class strength after such a transfer. However, the new branch of B Tech programme B Tech in Mechanical Engineering with Specialization in Smart Manufacturing (MSM) has not been included in the list.<br>The Senate is requested to permit students from MSM also to avail the branch transfer option. |
| | Senate has approved the proposal. |
| **2018-37-Senate-21:** | **Submission of proposal for initiating QIP Cell in the Institute**<br>Proposal has been submitted to the Ministry for granting permission to initiate Quality Improvement Programme in the Institute for Faculty members working in other Institutes in both PhD and M Tech programmes. As part of the proposal 2 seats each in the Engineering Departments (CSE-2, ECE-2, ME-2) and 1 each from Physics and Mathematics Departments are sought for PhD programme every year. Similarly 2 seats each from each of the M Tech programmes are also sought for (EDS-2, CDS-2, MDS-2, SMT-2).<br>The Senate may kindly approve the same. |
| | Senate has approved the proposal. |
| **2018-37-Senate-22:** | **Request for permission to initiate Ph D / M Tech (Research) Programmes for working Professionals from Public Sector/Private companies**<br>It is proposed to offer Ph. D / M Tech (Research) Programmes for working Professionals from Public Sector / Private companies. The Ordinance and Procedure are given in Annexure A3. Candidates are expected to complete the required course work and comprehensive examination within six months and pursue their research programmes in their parent organizations. In case, the course work/comprehensive exam requirements are not completed within six months, it may be extended to a period of one year.<br>The Senate may kindly approve the proposal.<br><br>**[Annexure A3]** |
| | Senate has approved the proposal. |
| **2018-37-Senate-23:** | **Permission for Project Staff recruited through written test/interview procedure to be admitted for M Tech (Research) or PhD Programme**<br>At present, Institute has good number of sponsored projects and many project staff are recruited through standard selection procedure involving written test and interview. In order to facilitate their career growth and motivate them further, permission is requested from Senate for Project Staff of Sponsored Projects recruited |

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| | through standard selection procedure involving written test and interview and fulfilling the eligibility criteria in terms of qualifying degree and/or GATE/UGS/CSIR JRF/SRF, to be admitted for Ph.D Programme without undergoing one more selection process. The course work and comprehensive examination requirements of such candidates will be the same as that for regular (HTRA) scholars. Similar to regular scholars, a doctoral committee shall be formed which will continuously monitor their progress in research and shall suggest upon submission of Synopsis and Thesis. Such a project scholar could request for changing his registration into HTRA scheme, provided he successfully works for the project for at least two years and the project duration comes to an end after two years of him joining the project.<br><br>Any Project staff with only Bachelor's degree and fulfilling the eligibility criteria in terms of qualifying degree and/or GATE/UGS/CSIR JRF/SRF, may be permitted to register for M Tech (Research) programme also. Similar to regular scholars, a master's committee shall be formed which will continuously monitor their progress in research and shall suggest upon submission of Synopsis and Thesis.<br><br>The Senate may consider the proposal and approve the same. |
| | Senate has approved the proposal. |
| **2018-37-Senate-24:** | **Proposal for celebration of Research Scholar's Day every year**<br>Institute has celebrated first ever RESEARCH SCHOLARS' DAY (RSD-18) on Thursday, 19th April withplenary talk by Prof. S. Karmalkar, IITM on Engineering Problem Solving, followed by poster session by our Scholars. Posters presented by the scholars were evaluated and the best scholar award was won by Mr. Chandu. S. Dr. SaurabhSaxena, EE, IITM, delivered a lecture on Recent Trends in IC Design and Applications which was followed by a valedictory function in which feedback on posters were given to the Research Scholars.<br>The scholars have requested that resource persons from the industry, specifically from the R & D units of centrally funded research organizations may also be invited in the following years to foster the industry-academia relations within the institute. Alsoit is proposed to conduct the event for two days one for within the institute and among the scholars of IIITDM and the second day for invited presentations from the scholars of other CFTIs (IITM, IIITs, NIT Trichy, NITSuratkaletc). Also it is proposed to conduct the RSD every year on the National Science Day, 28thFebruary.<br>Senate may please consider the proposal and approve the same. |
| | Senate has approved the proposal. Senate has advised that only published works need to be presented in posters by the scholars. |

| 2018-37-Senate-25: | **Incorporation of Class in the degree certificate:**<br><br>"CLASS" had not been mentioned in the degree certificates so far from 2011 to 2017 graduating batches.However, in order to differentiate between students securing a CGPA of 8.99 with someone securing just 6.49, it would be much more encouraging and motivating to mention the CLASS in the degree certificates.<br><br>|   |   |   |<br>|---|---|---|<br>| A. | Students who credit additional 9 credits with CGPA $\geq$ 9 | B Tech Honours with First Class and Distinction |<br>| B. | Students securing CGPA $\geq$ 9 | B Tech with First Class and Distinction |<br>| C. | Students securing 9 > CGPA $\geq$ 8 | B Tech with Elite First Class |<br>| D. | Students securing 8> CGPA $\geq$ 6.5 | B Tech with First Class |<br>| E. | Students securing 6.5> CGPA $\geq$ 6 | B Tech with Second Class |<br><br>Senate is requested to grant permission to implement this from 2019 graduating batch onwards.<br><br>Senate advised that as the CGPA would express the academic competence of the student, it is not necessary to give CLASS in the degree certificate. |

## 2018-37-Senate-25:

**Incorporation of Class in the degree certificate:**

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| | | |
|---|---|---|
| A. | Students who credit additional 9 credits with CGPA $\geq$ 9 | B Tech Honours with First Class and Distinction |
| B. | Students securing CGPA $\geq$ 9 | B Tech with First Class and Distinction |
| C. | Students securing 9 > CGPA $\geq$ 8 | B Tech with Elite First Class |
| D. | Students securing 8> CGPA $\geq$ 6.5 | B Tech with First Class |
| E. | Students securing 6.5> CGPA $\geq$ 6 | B Tech with Second Class |

Senate is requested to grant permission to implement this from 2019 graduating batch onwards.

Senate advised that as the CGPA would express the academic competence of the student, it is not necessary to give CLASS in the degree certificate.

## 2018-37-Senate-26:

**Proposal for Prizes during Convocation:**

It is proposed to introduce the following awards during convocation:

| | | |
|---|---|---|
| A. | All Rounder of the Graduating batch | Student with CGPA $\geq$ 8 in addition to P Excellence in Extra-curricular activities incl technical, cultural and literal events; sports; res publications; product development; appli development etc. |
| B. | Best Graduate Institute Gold Medal B Tech | Highest CGPA across all branches from B Tech |
| C. | Best Post Graduate Institute Gold Medal Dual Degree | Highest CGPA across all branches from Dual Degr |
| D. | Best Post Graduate Institute Gold Medal M Tech | Highest CGPA across all branches from M Tech |
| E. | Best Project Institute Gold Medal B Tech | Best Project across all branches from B Tech |
| F. | Best Project Institute Gold Medal Dual Degree | Best Project across all branches from Dual Degre |
| G. | Best Project Institute Gold Medal M Tech | Best Project across all branches from M Tech |
| H. | Best Graduate Institute Silver Medal B Tech | Highest CGPA from each branch of B Tech |
| I. | Best Post Graduate Institute Silver Medal Dual Degree | Highest CGPA from each branch of Dual Degree |
| J. | Best Post Graduate Institute Silver Medal M Tech | Highest CGPA from each branch of M Tech |

| | K. | Best Project Institute Silver Medal B Tech | Best Project from each branch of B Tech | |
| | L. | Best Project Institute Silver Medal Dual Degree | Best Project from each branch of Dual Degree | |
| | M. | Best Project Institute Silver Medal M Tech | Best Project from each branch of M Tech | |

The Senate may consider and approve the proposal.

The Senate has accepted the Proposal, however instead of having Best Project award across Branches from B Tech, Dual Degree and M Tech, it was advised to give award for the Best Interdisciplinary Project across branches from B Tech, Dual Degree and M Tech.

| | |
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| **2018-37-Senate-27:** | **Year wise toppers to be felicitated on Independence day:**<br>First two class toppers from every year and every programme shall be given an award on Independence Day. In the first and second year of their study, B Tech and Dual Degree students would be grouped together. Accordingly, 16 prizes for B Tech/DD in the first and second years, 16 prizes for B Tech in the third and fourth years, 30 prizes for the DD in the third, fourth and fifth years and 16 prizes for the M Tech in their first and second years shall be awarded.<br>Senate may please consider the proposal and approve the same. |
| | Senate has approved the proposal.<br>In the first year first three toppers across branches would be given the prizes as curriculum is common for all branches. In the second year, B Tech and Dual Degree students would be grouped together in each branch and hence 8 prizes would have to be given for the first and second CGPA holders. In the third year, 8 prizes for B Tech and 10 prizes for DD shall be given and in the fourth year, 10 prizes for DD shall be given. And 8 prizes for the four PG programmes also shall be given. |
| **2018-37-Senate-28:** | **Result Analysis Jan-May 2018:**<br>Results of Jan-May 2018 Semester have been declared on 1st June and the analysis of CGPA for all students from all batches are presented below for your kind perusal. |

**RESULT ANALYSIS JAN-MAY 2018**

| | 2014 | | |
|---|---|---|---|
| CGPA RANGE | COE | EDM | MDM |
| 9.5 - 10 | 1 | 1 | 1 |
| 9.0-9.5 | 3 | 2 | 1 |
| 8.5-9.0 | 8 | 5 | 7 |
| 8.0-8.5 | 10 | 10 | 12 |
| 7.5-8.0 | 10 | 4 | 6 |
| 7.0-7.5 | 7 | 4 | 2 |
| 6.5-7.0 | 2 | 3 | 3 |
| 6.0-6.5 | 2 | 4 | 1 |
| 5.5-6.0 | 0 | 3 | 1 |

| CGPA RANGE | 2014 | 2015 | 2016 | 2017 |
|---|---|---|---|---|
| 9.5 - 10 | 0 | 1 | 4 | 1 |
| 9.0-9.5 | 6 | 20 | 20 | 21 |

| | | | | |
|---|---|---|---|---|
| 8.5-9.0 | 15 | 40 | 38 | 50 |
| 8.0-8.5 | 30 | 60 | 51 | 59 |
| 7.5-8.0 | 26 | 40 | 38 | 35 |
| 7.0-7.5 | 19 | 26 | 40 | 24 |
| 6.5-7.0 | 10 | 12 | 22 | 15 |
| 6.0-6.5 | 7 | 13 | 19 | 12 |
| 5.5-6.0 | 1 | 9 | 7 | 18 |
| 5.0-5.5 | 1 | 8 | 3 | 9 |
| 4.5=5.0 | 1 | 2 | 2 | 10 |
| 4.0-4.5 | 1 | 1 | 0 | 6 |

Senate may suggest ways to improve the results.

Senate noted that the performance of 2017 batch is not satisfactory has advised to compare the results of same semester for every batch. The same shall be presented in the next senate.

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| **2018-37-Senate-29:** | **Attendance requirement for attending Quiz 1 & 2 also:**<br><br>As per the approval of the Senate, a student must have 85% attendance in a course to be eligible for writing the End Semester Examination. Otherwise, the student will be awarded a "W" grade and will have to repeat the course. In order to establish a good academic environment, it is proposed to have the requirement of 85% attendance even for appearing the Quiz 1 and Quiz 2. That means that the students should have 85% of attendance for the classes conducted prior to Quiz 1 and Quiz 2 for each course. This is expected to make the students very regular from the beginning of the semester.<br><br>The Senate may consider the proposal and approve the same. |
| | The Senate has advised that even though the system would make sure that the students would attend the classes from the beginning, such micro-management might result in added workload for the faculty. Hence the proposal is not accepted. |
| **2018-37-Senate-30:** | **Common Courses for 1st year or higher semesters to follow same Evaluation Pattern:**<br><br>It has been observed that common courses offered for different batches when offered by different faculty follow different evaluation pattern, in the sense, different question papers, assignments etc. This practice is found to affect their future prospects as finally their CGPA will be compared with the peers of same batch. Also the students at the end of first year are allowed to opt for branch change. Hence it is proposed that common courses need to have same evaluation pattern with same question papers, assignments etc. A committee of faculty members offering such courses shall be formed and the delivery of lectures, assignments, test patterns, all such issues shall be discussed in the committee. This would enable every student crediting the course to receive identical inputs and be evaluated under the same scheme.<br><br>The Senate may consider the proposal and approve the same. |
| | Senate has approved the proposal. |

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| **2018-37-Senate-31:** | **To report about the Convocation July 2018 of the Institute:**<br>It is proposed to conduct the Convocation of the Institute on 22nd July 2018 for the passing out students. The list of graduands who are eligible to receive the degrees is given in annexure and those who eligible to receive the degree with Distinction also given in annexure.  A total of **146** students will be awarded degrees in the convocation including degrees in absentia.<br>The Senate may kindly approve the same.<br>**[Annexure A10]** |
| | Senate has approved the list of 146 Graduands and Prize Winners. The names of three more students who have completed the requirements before convocation have also been awarded the degree. The names are appended in Annexure A 10 giving the total graduands to **149** in the year 2018. |
| **2018-37-Senate-32:** | Any other matter with permission of the Chair: |
| | Senate has discussed the above mentioned 31 items in the meeting. |

The next meeting of the Senate will be held in **September 2018.**


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**(Dr. Binsu J Kailath)**
**Dean Academics**


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**(Prof. B. Majhi)**
**Chairman**